

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. L-F/168DV3	SERIAL NO. 69437, 410
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Neer et al.	
(37 CFR 1.98(b))		FILING DATE November 10, 1999	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SK	A.A	2 5 8 6 5 8 1	2/52	Tschischek	604	123	
	A.B	3 6 9 0 3 1 2	9/72	Leibinsohn	350	418	
	A.C	3 7 0 1 3 4 5	10/72	Heilman et al.	128	2 R	9/70
	A.D	3 7 3 1 6 7 9	5/8/73	Wilhelmson et al.	128	214F	10/19/70
	A.E	3 7 5 2 1 4 5	8/73	Runnels et al.	128	2 R	11/71
	A.F	3 8 1 2 4 8 2	5/74	Clark	340	237 R	2/73
	A.G	3 8 8 0 1 3 8	4/29/75	Wooten et al.	128	2 A	1/74
	A.H	3 8 8 8 2 3 9	6/75	Rubinstein	128	2 A	6/74
	A.I	3 9 3 5 8 7 6	2/76	Massie et al.	137	177	11/74
	A.J	3 9 8 9 6 2 5	11/76	Mason	210	94	2/75
SK	A.K	4 0 0 6 7 3 6	2/77	Kranys et al.	128	2 A	11/74

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
SK	A.L	147737	11/62	Soviet Union	128	DIG 13	No
	A.M	WO 96/20746	11.07.96	PCT			No
	A.N	0 181 691	21.05.86	European			Yes
	A.O	0 346 950	20.12.89	European			Yes
	A.P	0 567 186	27 Oct. 93	European			Yes
SK	A.Q	1.530.021	29 June 67	France			No

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

SK	A.R	Medrad, Inc., <u>MEDRAD MARK V SYSTEM</u> , Medrad Sales Brochure, 8/88
SK	A.S	Medrad, Inc., <u>Medrad MCT Plus Front Load Injection System</u> , Medrad, Inc. Sales Brochure, No Date
SK	A.T	Liebel-Flarsheim, <u>ANGIOMAT 6000 Digital Injection System</u> , Liebel-Flarsheim Sales Brochure, 1987

EXAMINER <i>Sharon Kennedy</i>	DATE CONSIDERED <i>Feb 15, 2000</i>
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EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>SK</u>	B.A	4	1	1	4	1	4	4	9/78	Hyman	340	632	8/76
	B.B	4	1	7	8	0	7	1	12/79	Asbell	350	116	
	B.C	4	2	1	0	1	3	8	7/80	Jess et al.	128	214 E	12/77
	B.D	4	2	1	3	4	5	4	7/80	Shim	128	214	12/77
	B.E	4	2	4	4	3	6	5	1/81	McGill et al.	128	214 E	3/79
	B.F	4	2	5	6	4	3	7	3/81	Brown	417	45	2/78
	B.G	4	2	8	0	4	9	5	7/81	Lampert	128	214 E	11/78
	B.H	4	3	1	2	3	4	1	1/82	Zissimopoulos et al.	128	214 E	12/79
	B.I	4	3	6	7	7	3	6	1/83	Gupton	128	214 E	8/80
	B.J	4	4	3	5	0	9	4	3/84	Shapiro	374	191	
<u>SK</u>	B.K	4	4	5	2	2	5	1	6/84	Heilman	128	655	11/82
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER		PUBLICATION DATE		COUNTRY OR PATENT OFFICE		CLASS	SUBCLASS	TRANSLATION (YES/NO)			
<u>SK</u>	B.L	WO 94/25089		28 April 94		PCT				Yes			
<u>SK</u>	B.M	2.735.031		12 Dec 96		France				No			
	B.N												
	B.O												
	B.P												
	B.Q												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
<u>SK</u>	B.R	Siemens Aktiengesellschaft, <u>SIMTRAC C</u> , Siemens Aktiengesellschaft Sales Brochure, No Date											
	B.S	Liebel-Flarsheim, <u>Angimat CT-Digital Injection System for Enhanced CT Scans</u> , Liebel-Flarsheim Sales Brochure, 1988											
<u>SK</u>	B.T	E-Z-EM, <u>Simple the Best Value in Low-Pressure CT Injection Systems. Percupump 1A</u> , Therapex, Division of E-Z-EM Canada, Inc., Sales Brochure, 1990											
EXAMINER <u>Sharon Kennedy</u>										DATE CONSIDERED <u>2/15/00</u>			
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EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>SK</i>	C.A	4	4	9	6	3	4	6	1/85	Mosteller	604	123	8/83	
	C.B	4	5	0	8	5	3	2	4/85	Drews et al.	604	22	9/83	
	C.C	4	5	5	9	4	5	4	12/85	Kramer	250	577	4/83	
	C.D	4	5	6	5	5	0	0	1/86	Jeensalute et al.	417	53	2/83	
	C.E	4	6	5	0	4	6	2	3/87	Langer et al.	604	65	11/84	
	C.F	4	6	5	8	2	4	4	4/87	Meijer	340	632	3/85	
	C.G	4	6	9	5	2	7	1	9/87	Goethel	604	49	2/86	
	C.H	4	7	6	4	1	6	6	8/88	Spani	604	122		
	C.I	4	7	8	4	6	4	3	11/88	Siretchi et al.	604	122	5/87	
	C.J	4	7	9	7	6	5	5	1/89	Orndal et al.	340	521	3/87	
<i>SK</i>	C.K	4	8	1	2	7	2	4	3/89	Langer et al.	318	599	11/84	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS														
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	C.L													
	C.M													
	C.N													
	C.O													
	C.P													
	C.Q													
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)														
<i>SK</i>	C.R	Abstract, <u>Soviet Union Patent No. 147737</u> , 11/62												
<i>SK</i>	C.S	Beach et al., <u>A bubble detector for automatic analgesic drug injectors.</u> , 8056 Jnal of Phys. E-Scientific Instructions, Vol. 13 (1980) Oct., N°10, London, Great Britain												
	C.T													
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(37 CFR 1.98(b))		FILING DATE November 10, 1999	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	D.A.	D.B.	D.C.	D.D.	D.E.	D.F.	D.G.	D.H.	D.I.	D.J.	D.K.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SK												4 8 2 9 4 8 8	5/89	Balding et al.	364	509	9/85
												4 8 5 0 8 0 7	7/89	Frantz	417	63	6/87
												4 8 5 4 3 2 4	8/89	Hirschman et al.	128	655	2/88
												4 8 8 4 0 6 5	11/89	Crouse et al.	340	632	6/88
												5 0 0 6 1 1 0	4/91	Garrison et al.	604	65	12/87
												5 0 6 2 8 2 8	11/91	Waltz	604	51	2/90
												5 2 0 6 5 2 2	4/93	Danby et al.	250	574	10/91
												5 2 6 9 7 6 2	12/93	Armbruster et al.	604	155	4/92
												5 2 7 9 5 6 9	1/94	Neer et al.	604	154	5/92
												5 3 2 2 5 1 1	6/94	Armbruster et al.	604	155	11/93
SK												5 5 2 0 6 5 7	5/96	Sellers et al.	604	191	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

D.L.	D.M.	D.N.	D.O.	D.P.	D.Q.	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)

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<i>SK</i>	E.A	5	5	2	5	9	0	1	6/96	Clymer et al.	324	201.21	
	E.B	5	6	5	3	6	9	4	8/97	Powles et al.	604	240	
	E.C	5	6	8	9	5	4	5	11/97	Hopkins	378	206	
<i>SK</i>	E.D	5	8	0	0	3	9	7	9/98	Wilson et al.	604	154	
	E.E												
	E.F												
	E.G												
	E.H												
	E.I												
	E.J												
	E.K												
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(37 CFR 1.98(b))

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SK	A.A 2 4 9 1 9 7 8	12/49	Helfman et al.	604	154	
	A.B 4 8 0 4 3 6 8	2/89	Skakoon et al.	604	155	
	A.C 5 0 3 4 0 0 4	7/91	Crankshaw	604	154	
	A.D 5 2 3 2 4 4 9	8/93	Stern et al.	604	154	
	A.E 5 2 5 9 7 3 2	11/93	Stern	604	154	
	A.F 5 2 6 1 8 8 4	11/93	Stern et al.	604	154	
	A.G 5 2 9 5 9 6 6	3/94	Stern et al.	604	154	
	A.H 5 4 5 1 2 1 1	9/95	Neer et al.	604	218	
	A.I 5 6 5 8 2 6 1	8/97	Neer et al.	604	154	
	A.J 5 6 9 5 4 6 4	12/97	Viallet	604	131	
SK	A.K 5 8 0 7 3 4 0	9/98	Pokras	604	183	

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	A.L					
	A.M					
	A.N					
	A.O					
	A.P					
	A.Q					

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	A.R	
	A.S	
	A.T	

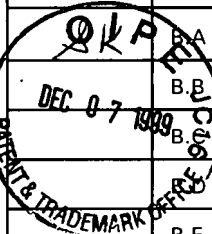
EXAMINER

DATE CONSIDERED

Sharon Kennedy

July 12, 2000

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	B.A.	R E 3 5 4 2 9	5/96	Sealfon	604	135	
	B.B.						
	B.C.						
	B.D.						
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	B.G.						
	B.H.						
	B.I.						
	B.J.						
B.K.							
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